

| Notice of Allowability | Application No. | Applicant(s) | |
|-------------------------------|-----------------|----------------|--|
| | 10/625,913 | TUGANOV ET AL. | |
| | Examiner | Art Unit | |
| | Tuan N. Nguyen | 2828 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 09/22/2005.
- The allowed claim(s) is/are 43,45-51,58-65,67 and 68.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - All
 - Some*
 - None
 of the:
 - Certified copies of the priority documents have been received.
 - Certified copies of the priority documents have been received in Application No. _____.
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - hereto or 2) to Paper No./Mail Date _____.
 - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
 Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- Notice of References Cited (PTO-892)
- Notice of Draftsperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
- Examiner's Comment Regarding Requirement for Deposit
of Biological Material
- Notice of Informal Patent Application (PTO-152)
- Interview Summary (PTO-413),
Paper No./Mail Date 10/14/2005.
- Examiner's Amendment/Comment
- Examiner's Statement of Reasons for Allowance
- Other _____.

DETAIL ACTION

Response to Amendment

1. In responding to applicant's amendment filed 09/22/2005, claims 43, 46-48, 65 have been amended, and claims 1-42, 44, 52-57, 66 have been canceled.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below, to the amended claims 43, 46-48, 65 should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no latter than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview on October 14, 2005 with Mr. Cory G. Claasen (Attorney for Applicant, Reg. No. 50,296).

Claim 43:

A laser apparatus, comprising:
first and second reflectors defining a laser cavity;
a gain medium to emit light along an optical path between said first and second reflectors;
a compensating member coupled to one of said first and second reflectors and configured to actively thermally adjust an optical path length between said reflectors by thermally positioning the one of the first and second reflectors, wherein compensating member is to position said first reflector with respect to said second reflector; and

a controller coupled to the compensating member to actively thermally control said compensating member.

Claim 44 is CANCELED.

Claim 46: **In claim 46, at line 1 – “claim 44” has been changed to - - claim 43 - -.**

Claim 47: **In claim 47, at line 1 – “claim 44” has been changed to - - claim 43 - -.**

Claim 48: **In claim 48, at line 1 – “claim 44” has been changed to - - claim 43 - -.**

Claim 65: In claim 65, at line 6 – “thermally position said first reflector” has been changed to - - thermally position said only first reflector - -.

REASON FOR ALLOWANCE

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance - Applicant's response filed on 09/22/2005 has been considered, with respect to claims 43, 58, 65 the references of the record fail to teach or suggest a laser apparatus and method of generating an optical

Claims 43, 58, 65:

A gain medium emitting light between first and second resonate reflectors, where a compensating member coupled to only one of the reflectors, a controller coupled to the compensating member and configured to actively thermally adjust an optical path length of the attached reflector with respect to the second reflector.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

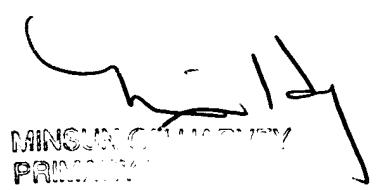
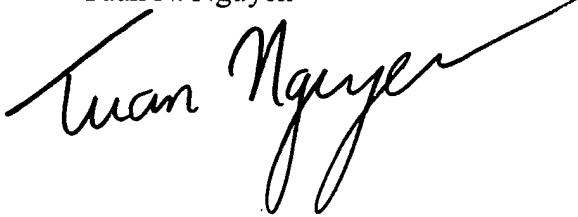
Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan N. Nguyen



MIN SUN
PRINCIPAL
PARTNER